

EROSION AND SEDIMENT CONTROL – GENERAL NOTES

1. MDE NOTIFICATION

IF AN EROSION AND SEDIMENT CONTROL PERMIT IS ISSUED FOR THIS PROJECT, THE CONTRACTOR, UPON APPROVAL FROM SHA, MUST NOTIFY MDE IN WRITING AND/OR BY TELEPHONE AT (410) 537-3510 AT THE FOLLOWING POINTS:

- PRE-CONSTRUCTION MEETING
- EROSION AND SEDIMENT CONTROL MEETING (MINIMUM 7 WORKING DAYS PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES)
- FOLLOWING INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES
- DURING INSTALLATION OF MAJOR SEDIMENT CONTROL BASINS/TRAPS
- PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S)
- PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES
- PRIOR TO FINAL ACCEPTANCE BY SHA

2. STANDARDS AND SPECIFICATIONS

THIS PLAN IS DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II AND THE MARYLAND DEPARTMENT OF ENVIRONMENT EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT REGULATIONS, AND ALL REVISIONS THERE OF, AND AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL KEEP A COPY OF THE 1994 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" ON THE SITE AT ALL TIMES.

3. INGRESS / EGRESS CONTROLS

THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ON PUBLIC ROADS. ALL MATERIALS DEPOSITED ON PUBLIC ROADS SHALL BE MECHANICALLY REMOVED IMMEDIATELY. THE FLUSHING OF ROAD SURFACES IS PROHIBITED.

TYPICALLY, ALL INGRESS AND EGRESS POINTS SHALL BE CONTROLLED THROUGH THE USE OF A "STABILIZED CONSTRUCTION ENTRANCE."

4. INSPECTION

THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES.

5. SHUTDOWNS AND OR PENALTIES

TOTAL COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS EXPECTED AT ALL TIMES. IN CASES WHERE THE CONTRACTOR IS FOUND TO BE IN NON-COMPLIANCE SHA MAY TAKE STEPS TO IMPOSE SELECTED OR TOTAL SHUTDOWNS AND IMPOSE PER DAY PENALTIES FOR NON-COMPLIANCE.

THE DISTRICT ENGINEER CAN IMPOSE A TOTAL OR PARTIAL SHUTDOWN IF THE PROJECT MAY ADVERSELY IMPACT THE WATERS OF THE STATE.

6. RECORD KEEPING

THE PROJECTS' APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, APPROVED CHANGE REQUESTS, DAILY LOG BOOKS AND TEST REPORTS WILL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF MDE.

7. EROSION AND SEDIMENT CONTROL EXCAVATION

SILT REMOVED FROM CONTROL DEVICES SHALL BE PLACED IN AN APPROVED WASTE SITE EITHER ON OR OFF THE PROJECT. MATERIAL STORED ON SITE MAY BE REUSED ONCE IT IS DRIED AND IF IT MEETS SHA REQUIREMENTS FOR EMBANKMENT OR ANY UNSPECIFIED NEED.

8. OFF-SITE UTILITY WORK

SEDIMENT CONTROL FOR UTILITY CONSTRUCTION IN AREAS OUTSIDE OF DESIGNED CONTROLS SHALL FOLLOW THESE ADDITIONAL BEST MANAGEMENT PRACTICES:

- (a) CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK
- (b) EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
- (c) TRENCHES FOR UTILITY INSTALLATIONS SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY. WHEN THIS IS NOT POSSIBLE, THE AREA SHALL CONFORM TO (d).
- (d) TEMPORARY SILT FENCES SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.

9. SENSITIVE AREAS

NO CONSTRUCTION ACTIVITIES SHALL BE UNDERTAKEN WITHIN SPECIFIED SENSITIVE AREAS OF THE PROJECT WITHOUT PRIOR NOTIFICATION OF THE ENGINEER. ALL WORK IN THESE AREAS SHALL BE MONITORED BY A RESPONSIBLE PARTY DESIGNATED BY THE CONTRACTOR TO ASSURE THAT REASONABLE CARE IS TAKEN IN OR ADJACENT TO THESE AREAS. AREAS CONSIDERED SENSITIVE ARE DEFINED AS: FLOODPLAINS, WETLANDS (TIDAL, NONTIDAL AND ASSOCIATED BUFFERS) CRITICAL AREAS, FORESTED AREAS, ARCHEOLOGICAL SITES, HISTORIC SITES, PARKLAND AND OPEN WATER.

10. STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND FOURTEEN DAYS (14) AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

11. SITE INFORMATION (NOT FOR BIDDING PURPOSES)

PROJECT TOTALS:			
TOTAL AREA OF SITE	36	ACRES	
AREA DISTURBED	1.36	ACRES	
AREA TO BE ROOFED			
OR PAVED	N/A	ACRES	
TOTAL CUT	230	CU. YDS.	
TOTAL FILL	177	CU. YDS.	
OFFSITE WASTE/BORROW			
AREA LOCATION (IF KNOWN)	TBD		
THE FOLLOWING BREAKDOWNS REPRESENT EACH CORRIDOR WITHIN THE PROJECT TOTAL			
MD 45 (YORK ROAD):			
TOTAL AREA OF SITE	8.38	ACRES	
AREA DISTURBED	0.09	ACRES	
AREA TO BE ROOFED			
OR PAVED	N/A	ACRES	
TOTAL CUT	27	CU. YDS.	
TOTAL FILL	19	CU. YDS.	
OFFSITE WASTE/BORROW			
AREA LOCATION (IF KNOWN)	TBD		
MD 157 (MERRITT BLVD):			
TOTAL AREA OF SITE	10.77	ACRES	
AREA DISTURBED	0.18	ACRES	
AREA TO BE ROOFED			
OR PAVED	N/A	ACRES	
TOTAL CUT	59	CU. YDS.	
TOTAL FILL	39	CU. YDS.	
OFFSITE WASTE/BORROW			
AREA LOCATION (IF KNOWN)	TBD		
MD 7 (PHILADELPHIA RD):			
TOTAL AREA OF SITE	2.36	ACRES	
AREA DISTURBED	0.12	ACRES	
AREA TO BE ROOFED			
OR PAVED	N/A	ACRES	
TOTAL CUT	36	CU. YDS.	
TOTAL FILL	23	CU. YDS.	
OFFSITE WASTE/BORROW			
AREA LOCATION (IF KNOWN)	TBD		
MD 700 (MARTIN BLVD):			
TOTAL AREA OF SITE	14.49	ACRES	
AREA DISTURBED	0.96	ACRES	
AREA TO BE ROOFED			
OR PAVED	N/A	ACRES	
TOTAL CUT	108	CU. YDS.	
TOTAL FILL	95	CU. YDS.	
OFFSITE WASTE/BORROW			
AREA LOCATION (IF KNOWN)	TBD		

12. INCREMENTAL STABILIZATION

REFER TO THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE INCREMENTAL STABILIZATION OF CUT AND FILLS.

13. DEWATERING PRACTICES

THE CONTRACTOR IS ALERTED THAT MDE CONSIDERS DEWATERING PRACTICES TO BE ELECTIVE IN NATURE. DEWATERING PRACTICES ARE TO BE LOCATED AND OPERATED IN A MANNER THAT DOES NOT DISCHARGE SEDIMENT INTO ANY WATERWAY. NO VISIBLE CHANGES TO STREAM CLARITY ARE PERMITTED.

14. MODIFICATIONS

THE CONTRACTOR SHALL SUBMIT MODIFICATIONS TO THE EROSION AND SEDIMENT CONTROLS TO SHA FOR APPROVAL PRIOR TO SUBMISSION TO MDE. NO MODIFICATIONS SHALL BE IMPLEMENTED UNTIL ALL APPROVALS FROM SHA AND MDE ARE OBTAINED.

SEQUENCE OF CONSTRUCTION

THE FOLLOWING IS THE SEQUENCE OF OPERATIONS TO BE USED ON ALL PHASES OF THE PROJECT:

- (1) THE CONTRACTOR SHALL NOTIFY MDE AT (410) 537-3510 AT LEAST SEVEN (7) DAYS PRIOR TO LAND DISTURBING ACTIVITIES AND HOLD A PRE-CONSTRUCTION MEETING BETWEEN THE CONTRACTOR, REPRESENTATIVES FROM TRAFFIC OPERATIONS DIVISION AND REPRESENTATIVES OF MDE.
- (2) NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE.
- (3) CLEAR AND GRUB AS REQUIRED TO COMPLETE THE SIGNAL IMPROVEMENTS. ONLY THAT PORTION OF THE PROJECT SHALL BE STARTED THAT CAN BE STABILIZED BY THE END OF EACH WORK DAY.
- (4) REMOVAL AND INSTALLATION OF PROPOSED SIGNAL EQUIPMENT.
- (5) STABILIZE ALL DISTURBED AREAS. ALL NON-PAVEMENT AREAS SHALL BE STABILIZED WITH 4" TOPSOIL, SEED AND MULCH OR WITH SOD.
- (6) UPON FINAL STABILIZATION, AND WITH THE APPROVAL OF THE MDE INSPECTOR, REMOVE ANY SEDIMENT CONTROL MEASURES. STABILIZE ALL AREAS DISTURBED BY THIS PROCESS.

THE CONTRACTOR SHALL PERFORM PROPOSED WORK IN THE ORDER LISTED BELOW UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER:

- (1) MD 45 (YORK ROAD)
- (2) MD 157 (MERRITT BLVD)
- (3) MD 7 (PHILADELPHIA RD)
- (4) MD 700 (MARTIN BLVD)

DESIGN CERTIFICATION

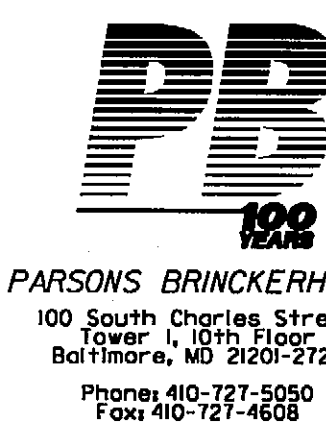
"I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 1994 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT REGULATIONS.

<i>Carlos H. Brown</i>	<i>Am H R</i>
NAME	SIGNATURE
27917	6-24-09
MARYLAND, REGISTRATION NUMBER, P.E., R.L.S. OR R.L.A. (circle)	DATE

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 27917, EXPIRATION DATE: 11/2010."

STANDARD SYMBOLS

EARTH DIKE	
TEMPORARY SWALE	
PERIMETER DIKE/SWALE	
STONE CHECK DAM	
STONE OUTLET STRUCTURE	
SILT FENCE	
SUPER SILT FENCE	
STRAW BALES	
STANDARD INLET PROTECTION	
AT GRADE INLET PROTECTION	
CURB INLET PROTECTION	
MEDIAN INLET PROTECTION	
GABION INFLOW PROTECTION	
RIPRAP INFLOW PROTECTION	
SUMP PIT	
REMOVABLE PUMPING STATION	
PORTABLE SEDIMENT TANK	
INTERCEPTOR BERM	
TEMPORARY BERM	
PIPE SLOPE DRAIN	
STABILIZED CONSTRUCTION ENTRANCE	
SOIL STABILIZATION MATTING	
PLACED RIPRAP DITCH	
GABIONS	
CONCRETE GUTTER	
STONE OUTLET SEDIMENT TRAP	
RIPRAP OUTLET SEDIMENT TRAP	
STONE/RIPRAP OUTLET SEDIMENT TRAP	
PIPE OUTLET SEDIMENT TRAP	
LIMIT OF DISTURBANCE	
EXISTING CONTOURS	
PROPOSED CONTOURS	



SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
ECONOMIC RECOVERY PROJECT
BALTIMORE COUNTY TRAFFIC SIGNAL RECONSTRUCTS
DISTRICT 4

EROSION AND SEDIMENT CONTROL GENERAL NOTES			
SCALE	NTS	DATE	JUNE 2009
CONTRACT NO.	BA1195168		
DESIGNED BY	K. PERMISOHN	COUNTY	BALTIMORE
DRAWN BY	K. PERMISOHN	LOGMILE	SEE PLANS
CHECKED BY	C. BROWN	TIMS NO.	J639
FAP NO.	SEE TITLE SHEET	TOD NO.	
DRAWING	ES - 01	OF	02
SHEET NO.	35	OF	37